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OM nucleic - nucleic search, using sw model

Run on: October 5, 2002, 13:59:02 ; Search time 93.19 Seconds
(without alignments)
10443.180 Million cell updates/sec

Title: US-08-153-397A-1
Perfect score: 3962
Sequence: 1 CGGGCGCTGAGACTGGGTGA.....AAAAAAAAAACCAGATTC 3962

Scoring table: IDENTITY_NDC
Gapop 10.0, Gapext 1.0

Searched: 38353 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued_Patents_MN: *
1: /cgn2_6/ptodata/2/1na/5A.COMB.seq: *
2: /cgn2_6/ptodata/2/1na/5B.COMB.seq: *
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6: /cgn2_6/ptodata/2/1na/5B.COMB.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	3962	100.0	3962	1 US-08-336-343A-1
2	3451	87.1	3637	1 US-08-445-640-3
3	3451	87.1	3637	3 US-08-170-558-3
4	3451	87.1	3637	3 US-08-447-314-3
5	3451	87.1	3637	3 US-08-445-461-3
6	1192.2	30.1	1197	1 US-08-445-640-7
7	1192.2	30.1	1197	3 US-08-170-558-7
8	1192.2	30.1	1197	3 US-08-447-314-7
9	1192.2	30.1	1197	3 US-08-445-461-7
10	642	16.2	3157	1 US-08-336-343A-3
11	642	16.2	3157	1 US-08-336-343A-5
12	639.8	16.1	3120	1 US-08-456-647B-19
13	639.8	16.1	3120	2 US-08-237-401A-19
14	182.2	4.6	2820	1 US-08-286-305A-4
15	182.2	4.6	2820	2 US-08-441-104A-4
16	182.2	4.6	2820	2 US-08-440-816A-4
17	182.2	4.6	2820	4 US-09-417-381A-4
18	180.6	4.6	2301	5 PCT-US83-06251-78
19	180.6	4.6	3060	1 US-08-286-305A-6
20	180.6	4.6	3060	1 US-08-441-104A-6
21	180.6	4.6	3060	2 US-08-440-816A-6
22	180.6	4.6	3060	4 US-09-417-381A-6
23	180.6	4.6	3194	2 US-08-359-705B-1
24	180.6	4.6	3194	2 US-08-286-846A-1
25	180.6	4.6	3194	2 US-08-457-880A-1
26	180.6	4.6	3194	2 US-08-444-622A-1
27	180.6	4.6	3194	3 US-08-444-622A-1

28	180.6	4.6	3194	3 US-08-942-562-1	Sequence 1, Appl1
29	180.6	4.6	3194	3 US-09-156-923-1	Sequence 1, Appl1
30	180.6	4.6	3707	1 US-08-271-454-1	Sequence 1, Appl1
31	180.6	4.6	3707	5 PCT-US95-08180-1	Sequence 1, Appl1
32	178.6	4.5	2526	1 US-07-912-952-1	Sequence 1, Appl1
33	178.6	4.5	2940	1 US-08-286-305A-8	Sequence 8, Appl1
34	178.6	4.5	2940	2 US-08-441-104A-8	Sequence 8, Appl1
35	178.6	4.5	2840	2 US-08-440-816A-8	Sequence 8, Appl1
36	178.6	4.5	2940	4 US-09-417-381A-8	Sequence 1, Appl1
37	163	4.1	2463	1 US-08-469-537A-106	Sequence 106, App
38	158	4.0	4092	2 PCT-US95-08493-12	Sequence 12, Appl1
39	147.2	3.7	3398	5 PCT-US95-08493-18	Sequence 18, Appl1
40	139	3.5	2208	5 PCT-US95-08493-20	Sequence 20, Appl1
41	139	3.5	2580	5 PCT-US95-08493-20	Sequence 3, Appl1
42	139	3.5	2604	5 US-07-912-952-3	Sequence 3, Appl1
43	138.4	3.4	2376	1 US-08-737-715-1	Sequence 2, Appl1
44	135.2	3.4	4149	2 US-08-374-834-2	Sequence 2, Appl1
45	130.4	3.3	2869	1 US-08-374-834-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-336-343A-1
Sequence 1, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CKK-2, A NO. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESS: Pennile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3962 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 321..3077
US-08-336-343A-1
Query Match 100.0%; Score 3962; DB 1; Length 3962;
Best Local Similarity 100.0%; Pred. No. 0;

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genetech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,614
REFERENCE/DOCKET NUMBER: 854C2
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-640-3

Query Match 87.1%; Score 3451; DB 1; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTGTAAGGAATGCAAGAGATGTCGCCCAACCCCTTAGAGCCGAGGAGATCAG 315
DB 17 GTTGACTGTAAGGAATGCAAGAGATGTCGCCCAACCCCTTAGAGCCGAGGAGATCAG 76
QY 316 GAGCTATGGACACAGAGGCCCTGTCTATCTACTGTCTGTCTCTTGTGTGCAAGTGGAG 375
DB 77 GAGCTATGGACACAGAGGCCCTGTCTATCTACTGTCTGTCTCTTGTGTGCAAGTGGAG 136
QY 376 ATGCTGACATGAAGGAGACATTTTATCTCTGCAAGTGGCCCTATGCCCTGGGCAATGACAG 435
DB 137 ATGCTGACATGAAGGAGACATTTTATCTCTGCAAGTGGCCCTATGCCCTGGGCAATGACAG 196
QY 436 ACCGACATCCGACAGATGACATCTCTGCTTCCAGCTCCTGCTGATTCACATCCAGTCCG 495
DB 197 ACCGACATCCGACAGATGACATCTCTGCTTCCAGCTCCTGCTGATTCACATCCAGTCCG 256
QY 496 CCCGACACAGAGTTGGAGAGCAGTACGAGGAGTGGGCTGTGGCCCGGCAAGGAGTCCG 555
DB 257 CCCGACACAGAGTTGGAGAGCAGTACGAGGAGTGGGCTGTGGCCCGGCAAGGAGTCCG 316
QY 556 TGTTCCTCAAGAGAGAGAGTACTTGTGAGTGTGATCTACACGATCTCACCTGTGCTC 615
DB 317 TGTTCCTCAAGAGAGAGAGTACTTGTGAGTGTGATCTACACGATCTCACCTGTGCTC 376
QY 616 TGTGGGACACAGAGAGAGATGCGGGGGCCCTGGGCAAGAGAGTTCCTCCGAGGATCAG 675
DB 377 TGTGGGACACAGAGAGAGATGCGGGGGCCCTGGGCAAGAGAGTTCCTCCGAGGATCAG 436
QY 676 GGTCTGCTTACTCCCGGAGATGTCGCGCTGTGATGAGGCTGGAAGAGCCGTGGGGTCCAG 735
DB 437 GGTCTGCTTACTCCCGGAGATGTCGCGCTGTGATGAGGCTGGAAGAGCCGTGGGGTCCAG 436
QY 736 AGGTGATCTAGGCAATGAGAGACCTGAGGAGTGTGTGTAAGAGACCTTGGGCCCCCA 795
DB 497 AGGTGATCTAGGCAATGAGAGACCTGAGGAGTGTGTGTAAGAGACCTTGGGCCCCCA 556
QY 796 TGTGTCGCGACACTGCTGCTTACACCCCGGGCTGACCGGGATCAGAGTGTGCTGTCG 855
DB 557 TGTGTCGCGACACTGCTGCTTACACCCCGGGCTGACCGGGATCAGAGTGTGCTGTCG 616

QY 856 GGTAGACCTATAGGCTGCTCTGAGAGATGAGACTCTCTGCTTACACCCGCTGTGG 915
DB 617 GGTAGACCTATAGGCTGCTCTGAGAGATGAGACTCTCTGCTTACACCCGCTGTGG 676
QY 916 GGCAGACATATATTTATCTAGAGCCGTGTACTCTCAAGACTCCACCTATGACGACATA 975
DB 677 GGCAGACATATATTTATCTAGAGCCGTGTACTCTCAAGACTCCACCTATGACGACATA 736
QY 976 CCGTGGGCGACTCAGATATGGGGGTCTGGGCGCACTGGCAGATGCTGTGGGGCTGG 1035
DB 737 CCGTGGGCGACTCAGATATGGGGGTCTGGGCGCACTGGCAGATGCTGTGGGGCTGG 796
QY 1036 ATGACTTTAGGAAGATCAGAGAGTGGCGGCTGTGGCGAGCTATGACTATGAGATGA 1095
DB 797 ATGACTTTAGGAAGATCAGAGAGTGGCGGCTGTGGCGAGCTATGACTATGAGATGA 856
QY 1096 GCAACCAAGCTTCTCCAGTGTGATGTGAGATGAGATTTGAGTTGACCGGCTGAGG 1155
DB 857 GCAACCAAGCTTCTCCAGTGTGATGTGAGATGAGATTTGAGTTGACCGGCTGAGG 916
QY 1156 CCTTCAGGCTATGACAGTCCAGTCTACACATGACACACCTGGAGACCCGCTGTGCTG 1215
DB 917 CCTTCAGGCTATGACAGTCCAGTCTACACATGACACACCTGGAGACCCGCTGTGCTG 976
QY 1216 GCGGGGTGGAATGTCGCTTCCGGCGTGCCCTGCCATGAGCTTGGGAGGAGGCCATGC 1275
DB 977 GCGGGGTGGAATGTCGCTTCCGGCGTGCCCTGCCATGAGCTTGGGAGGAGGCCATGC 1036
QY 1276 GCCAACCACTAGGAGGCAACCTGGGGGACCCAGAGCCCGGGCTGTCTACAGTCCCTTG 1335
DB 1037 GCCAACCACTAGGAGGCAACCTGGGGGACCCAGAGCCCGGGCTGTCTACAGTCCCTTG 1096
QY 1336 GCGGCGCTGTGGCTTCTGTGATGAGTCCCTCTCTTGGGGGCGCTGTGTTACTCT 1395
DB 1097 GCGGCGCTGTGGCTTCTGTGATGAGTCCCTCTCTTGGGGGCGCTGTGTTACTCT 1156
QY 1396 TCAGCGAATCTCCTTATCTGTATGATGATGATGATGATGATGATGATGATGATGATG 1455
DB 1157 TCAGCGAATCTCCTTATCTGTATGATGATGATGATGATGATGATGATGATGATGATG 1216
QY 1456 CTTCCCGGCAAGCCCTGTGGGCGCTGTGGCCACCTCCACCACTTGCAGAGCTTGG 1515
DB 1217 CTTCCCGGCAAGCCCTGTGGGCGCTGTGGCCACCTCCACCACTTGCAGAGCTTGG 1276
QY 1516 AGCTGGAAGCCAGAGGAGCAGAGCCCTGTGGCCAGGCGGAGGAGGAGCCGACATCC 1575
DB 1277 AGCTGGAAGCCAGAGGAGCAGAGCCCTGTGGCCAGGCGGAGGAGGAGCCGACATCC 1336
QY 1576 TCATCGGCTGCTGTGGTGGCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1635
DB 1337 TCATCGGCTGCTGTGGTGGCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1386
QY 1636 GCGGCGTGCATGCGGAGGCTCTCTAGCAAGGCTGCAAGGAGGAGGTTGGAAGAGAGC 1695
DB 1397 GCGGCGTGCATGCGGAGGCTCTCTAGCAAGGCTGCAAGGAGGAGGTTGGAAGAGAGC 1456
QY 1696 TGACGGTTCACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1755
DB 1457 TGACGGTTCACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1516
QY 1756 GAGAGCACCCCGTACACAGAGAGCCCGGCTGTGGAGATCCCGGCTGCTGCTGCTGCT 1815
DB 1517 GAGAGCACCCCGTACACAGAGAGCCCGGCTGTGGAGATCCCGGCTGCTGCTGCTGCT 1576
QY 1816 GTGTCCCAATGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1875
DB 1577 GTGTCCCAATGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1636
QY 1876 CTTAGCGCGTCCCGCTGAGGAGCCCGGCGCCGACACCCGCTGTGGGCAAAACCCACCA 1935
DB 1637 CTTAGCGCGTCCCGCTGAGGAGCCCGGCGCCGACACCCGCTGTGGGCAAAACCCACCA 1696

QY	1936	ACCCAGGAGCTTACAGTGGGGACATATATGAGCCGTGAGAACCCAGGCGCCCGCTTCTGC	1995
Db	1697	ACACCCAGGCTACAGTGGGGACATATATGAGCCGTGAGAACCCAGGCGCCCGCTTCTGC	1756
QY	1996	CCCCACCTTCCCCAGAACGCGTCCCCCATTTATGCCGAGCGTGAATTTTACCTGCAGG	2055
Db	1757	CCCCACCTTCCCCAGAACGCGTCCCCCATTTATGCCGAGCGTGAATTTTACCTGCAGG	1816
QY	2056	GCGTACACGGGGGCAACCTATGCTGTGGCCGTGACATGCCCCCGAGGGGCAATCGGGGATG	2115
Db	1817	GCGTACACGGGGGCAACCTATGCTGTGGCCGTGACATGCCCCCGAGGGGCAATCGGGGATG	1876
QY	2116	GGCCCCCAGAGTGGATTTCCCTCGATCTCAGTCCGCTTTCAGAGAGACTTGGCGAGG	2175
Db	1877	GGCCCCCAGAGTGGATTTCCCTCGATCTCAGTCCGCTTTCAGAGAGACTTGGCGAGG	1936
QY	2176	GCGAGTTTGGGGAGGTGCACCTGTGTAGAGTCCGACAGCCCTCAAGATCTGTCACTTGG	2235
Db	1937	GCGAGTTTGGGGAGGTGCACCTGTGTAGAGTCCGACAGCCCTCAAGATCTGTCACTTGG	1996
QY	2236	ATTTCGCCCTTAAATGTGCTGAAGGAGACCCCTTGGTGTAGCTGTCAAGATCTTACGGC	2295
Db	1997	ATTTCGCCCTTAAATGTGCTGAAGGAGACCCCTTGGTGTAGCTGTCAAGATCTTACGGC	2056
QY	2296	CAGATGCCACCAAGATGCCAGCTTCTCTTTCTCCAGAAATGATTTCTCTGAAGAG	2355
Db	2057	CAGATGCCACCAAGATGCCAGCTTCTCTTTCTCCAGAAATGATTTCTCTGAAGAG	2098
QY	2356	TGAAGATCATGTGGAGGCTCAAGAGCCCAACATCATGGCGTGTGCGCTGTGTGTGC	2415
Db	2099	TGAAGATCATGTGGAGGCTCAAGAGCCCAACATCATGGCGTGTGCGCTGTGTGTGC	2158
QY	2416	AGGACGACCCCTCTGCTGATGATTACTGACATCATGTGGAGAACGGCGACCTCAACAGTTC	2475
Db	2159	AGGACGACCCCTCTGCTGATGATTACTGACATCATGTGGAGAACGGCGACCTCAACAGTTC	2218
QY	2476	TCAGTCCCCACAGCTGTGAGAGCAAGGACGCGAGGGGGCCCTGGGGAGGGGACAGCTG	2535
Db	2219	TCAGTCCCCACAGCTGTGAGAGCAAGGACGCGAGGGGGCCCTGGGGAGGGGACAGCTG	2278
QY	2536	CGAGAGGGGCCACATCAGTATACCAATGCTGTGATGTGGCAGGCCAGATGGCTCCG	2595
Db	2279	CGAGAGGGGCCACATCAGTATACCAATGCTGTGATGTGGCAGGCCAGATGGCTCCG	2338
QY	2596	GCATGGCGTATCTGGCCACACTCACTTGTATCATGGGACCTGGCCACGCGGAATGGCC	2655
Db	2339	GCATGGCGTATCTGGCCACACTCACTTGTATCATGGGACCTGGCCACGCGGAATGGCC	2398
QY	2656	TAGTTGGGAAAAATTTCACCATTCAAAATGCGAGACTTTGGCATGAGCCCGAACTCTATG	2715
Db	2399	TAGTTGGGAAAAATTTCACCATTCAAAATGCGAGACTTTGGCATGAGCCCGAACTCTATG	2458
QY	2716	CTGGGAGCATTAACCGTGTGTGCAAGGGCCGGGACAGTGTGCCATCCGCTGATGGCTGGG	2775
Db	2459	CTGGGAGCATTAACCGTGTGTGCAAGGGCCGGGACAGTGTGCCATCCGCTGATGGCTGGG	2518
QY	2776	AGTGCATCTCATGCGGGAATTCACAGACTGCGAGTGAACGTGTGGGCTTTGGTGTGACCC	2835
Db	2519	AGTGCATCTCATGCGGGAATTCACAGACTGCGAGTGAACGTGTGGGCTTTGGTGTGACCC	2578
QY	2836	TGTGGAGAGTGTGATGCTCTTATAGGGCCAGCCCTTTGGGCACTCAACCGACGAGCAGG	2895
Db	2579	TGTGGAGAGTGTGATGCTCTTATAGGGCCAGCCCTTTGGGCACTCAACCGACGAGCAGG	2638
QY	2896	TGATGAGAGAACCGGGGGAGTTCTTCGGGAAACAAGGCGCGAGGTGTACCTGTCCGGC	2955
Db	2639	TGATGAGAGAACCGGGGGAGTTCTTCGGGAAACAAGGCGCGAGGTGTACCTGTCCGGC	2698
QY	2956	GCGCTGCTGCCCCAGGAGCCATATATGACGTGATCTTGGGTGTGAGACCGGGAGTGTG	3015
Db	2699	GCGCTGCTGCCCCAGGAGCCATATATGACGTGATCTTGGGTGTGAGACCGGGAGTGTG	2738
QY	3016	AGCAGGACACACCTTTTCCACAGCTGCATGGGTTCTGTGGCAGAGAGATCACTCAACAGG	3075

Db	2759	AGCAGCGCACCCCTTTCCAGCTGCATGCTTCCTGGCAGAGAGATGCACCTCAACACGG	2818
QY	3076	TGTGATACACATCCACAGCTGCCCCCTCCCTCAGGGAGATGCACGAGGGGAACCCAGTGACA	3135
Db	2819	TGTGATACACATCCACAGCTGCCCCCTCCCTCAGGGAGATGCACGAGGGGAACCCAGTGACA	2878
QY	3136	CTAAACACAAGAGACACAAATGGCACTTCGCTTCCTCCCTCCGACAGCCCATCACTCT	3195
Db	2879	CTAAACACAAGAGACACAAATGGCACTTCGCTTCCTCCCTCCGACAGCCCATCACTCT	2958
QY	3196	AATGAGGACATGAGACATGCGAGGTGGCTGGGCCACCCAGGAGCTGATCCCCCTTC	3255
Db	2939	AATGAGGACATGAGACATGCGAGGTGGGCCACCCAGGAGCTGATCCCCCTTC	2958
QY	3256	CCCTTCCTGACACACTCTCATGTCCCTTCCTGTCTCTCTCTCTAGAAACCCCTGCG	3315
Db	2959	-----AGAGCCCTGTGC	2972
QY	3316	CCGACCCAGCTGCTCCTGTGATGGGATCCTCTCCACCCCTCCTTAGCCATCCCTTGGGG	3375
Db	2973	CCGACCCAGCTGCTCCTGTGATGGGATCCTCTCCACCCCTCCTTAGCCATCCCTTGGGG	3032
QY	3376	AAGGGTGGGAGAAATATAGGATAGACACTGGACATGGCCCATGGAGACACTGGGGCCC	3435
Db	3033	AAGGGTGGGAGAAATATAGGATAGACACTGGACATGGCCCATGGAGACACTGGGGCCC	3092
QY	3436	ACTGGACACACTGATTCCTGGAGAGGTGGCTGGC-CCCGAGCTTCCTCTCCCTGTAC	3494
Db	3093	ACTGGACACACTGATTCCTGGAGAGGTGGCTGGGCCCGAGCTTCCTCTCCCTGTAC	3152
QY	3495	ACACTGGACCCCACTGGCTAGAAATCTGGGGGTGAGAGACACAAGAGAGAGAAATG	3554
Db	3153	ACACTGGACCCCACTGGCTAGAAATCTGGGGGTGAGAGACACAAGAGAGAGAAATG	3212
QY	3555	TTTCCTGTGCTGCTCCTGCTAGCTTGTGCTCAGCTTGGGCTCTCTCCCTCATCACT	3614
Db	3213	TTTCCTGTGCTCCTGCTAGCTTGTGCTCAGCTTGGGCTCTCTCCCTCATCACT	3272
QY	3615	GAACACTGCACTGGGGGGTAGCCCCGCCAGCCCTCACTCAACCCCACTTCCCACTTG	3674
Db	3273	GAACACTGCACTGGGGGGTAGCCCCGCCAGCCCTCACTCAACCCCACTTCCCACTTG	3332
QY	3675	CACCTCTGTAGTAGAAGACTCTCTAAGCCATACGTTTCGTGAGATTAATATGGGAT	3734
Db	3333	CACCTCTGTAGTAGAAGACTCTCTAAGCCATACGTTTCGTGAGATTAATATGGGAT	3392
QY	3735	GGGGGAAAAGAGGAGCAACGGCCATAGCCTTGGGGTGGAGCATCTAGGTAGCTGC	3794
Db	3393	GGGGGAAAAGAGGAGCAACGGCCATAGCCTTGGGGTGGAGCATCTAGGTAGCTGC	3452
QY	3795	CACATGATTTTCTTAATACCTGGGGTGTACATTTTGGGGGAGAGACACAGAT	3854
Db	3453	CACATGATTTTCTTAATACCTGGGGTGTACATTTTGGGGGAGAGACACAGAT	3512
QY	3855	TTTACACTAATATATAGCACTAGCTTGAAGCAATTTATCCCGCACTAGGACAGTA	3914
Db	3513	TTTACACTAATATATAGCACTAGCTTGAAGCAATTTATCCCGCACTAGGACAGTA	3572
QY	3915	ATAATTAAGGTGAGTTTCCACAAAAAATTTTTTTTTT	3953
Db	3573	ATAATTAAGGTGAGTTTCCACAAAAAATTTTTTTTTT	3611

RESULT 3
US-08-170-558-3
Sequence 3, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mart, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.

1397 GGGGGGCTGCACTGGCCGAGGCTCTCAGCAAGGCTGAAGGAGGCTGTGAAGAGGAGC 1456
1696 TGAAGGTTACCTCTGCTGCTGCTGGGACACTATCTCTATCAACAAAGCCAGGCTCTTA 1755
1457 TGAAGGTTACCTCTGCTGCTGCTGGGACACTATCTCTATCAACAAAGCCAGGCTCTTA 1516
1756 GAGAGGACACCCGCTTACAGAGAGCCGCGCTCTGGGAATCCGCCACTCCGCTCTCT 1815
1517 GAGAGGACACCCGCTTACAGAGAGCCGCGCTCTGGGAATCCGCCACTCCGCTCTCT 1576
1816 GTGTCCCAATGCTGCTGCTGCTGCTCTCTCAATCCAGCTTACCGCTCTCTCTGCGCA 1875
1577 GTGTCCCAATGCTGCTGCTGCTGCTCTCTCAATCCAGCTTACCGCTCTCTCTGCGCA 1636
1876 CTACGCGCCCTCCCTCGAGAGTCCGGGCCCCCAGACCCGCTTGGGCAAAACCCACA 1935
1637 CTACGCGCCCTCCCTCGAGAGTCCGGGCCCCCAGACCCGCTTGGGCAAAACCCACA 1696
1936 ACACCCAGGCGCTACAGTGGGAGCTATATGAGCCTGAGAGCCAGGCGCCGCTTCTGC 1995
1697 ACACCCAGGCGCTACAGTGGGAGCTATATGAGCCTGAGAGCCAGGCGCCGCTTCTGC 1756
1996 CCCACCTCCCTCCAGAACAGCTGCCCTATATGCCGAGGCTGACATTTTACCCTGACG 2055
1757 CCCACCTCCCTCCAGAACAGCTGCCCTATATGCCGAGGCTGACATTTTACCCTGACG 1816
2056 GCGTCAACGCGGCGCAACACTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2115
1817 GCGTCAACGCGGCGCAACACTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1876
2116 GGGCCCCCAGAGTGGATTTTCCCTCGATCTCTGATCCGCTCAAGAGAACTTGGGAGG 2175
1877 GGGCCCCCAGAGTGGATTTTCCCTCGATCTCTGATCCGCTCAAGAGAACTTGGGAGG 1936
2176 GCGATTTGGGAGTGGACACTGCTGTGAGGTGACAGCCCTCAAGATCTGTGCTGCTT 2235
1937 GCGAGTTTGGGAGTGGACACTGCTGTGAGGTGACAGCCCTCAAGATCTGTGCTGCTT 1996
2236 ATTTCCCTTATGTTGGGAAGGAGGACCCCTTGTGCTGATAGCTGTCAAGATCTTACGGC 2295
1997 ATTTCCCTTATGTTGGGAAGGAGGACCCCTTGTGCTGATAGCTGTCAAGATCTTACGGC 2056
2296 CAGATGCCCAAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2355
2057 CAGATGCCCAAGAAATG-----CGAAGATGATTTTCTTAAAGAGG 2098
2356 TCAAGATCATGTGAGGCTCAAGAGACCCCAACATCTGCTGCTGCTGCTGCTGCTGCTG 2415
2099 TCAAGATCATGTGAGGCTCAAGAGACCCCAACATCTGCTGCTGCTGCTGCTGCTGCTG 2158
2416 AGGAGAGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2475
2159 AGGAGAGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2218
2476 TCAAGTCCCAACAGCTGAGAGCAAGGAGCCGAGGAGGAGGAGGAGGAGGAGGAGGAG 2535
2219 TCAAGTCCCAACAGCTGAGAGCAAGGAGCCGAGGAGGAGGAGGAGGAGGAGGAGGAG 2278
2536 GCGAGGAGGAGCCCATCAGCTACCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2595
2279 GCGAGGAGGAGCCCATCAGCTACCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2338
2596 GCATCCGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2655
2339 GCATCCGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2398
2656 TAGTTGGGAAATTTTCAACATCAAAATCGAGACTTTGGAGTGGAGCGGAGACCTCTATG 2715
2399 TAGTTGGGAAATTTTCAACATCAAAATCGAGACTTTGGAGTGGAGCGGAGACCTCTATG 2458
2716 CTGGGAGCTATTACCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2775

2459 CTGGGAGCTATTACCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2518
2776 AGTGCATCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2835
2519 AGTGCATCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2578
2836 TGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2895
2579 TGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2638
2896 TCAATGAGAAAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2955
2639 TCAATGAGAAAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2698
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2939 AATAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2958
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2959 -----AGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2972
3316 CCACCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3375
2973 CCACCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3032
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3153 ACACCTGAGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3212
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3615 GAAACACTGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3674
3273 GAAACACTGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3332
3675 CAGTCTTGTAGTAGAATCTCTAAGCCTTATAGCTTGTGAGGAGTAAATTTGGGAGT 3734
3333 CAGTCTTGTAGTAGAATCTCTAAGCCTTATAGCTTGTGAGGAGTAAATTTGGGAGT 3392
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3393 GGGGGGAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3452
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QY 3855 TTTTACACTAATATATGAGCTAGCTTGAGGCAATTTAATCCCTGACACTAGGAGGTA 3914
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Db 3513 TTTTACACTAATATATGAGCTAGCTTGAGGCAATTTAATCCCTGACACTAGGAGGTA 3572
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Db 3573 ATATATAGGTGAGTTTCCACCAAAAAAAAAAAAAA 3611

RESULT 5

US-08-445-461-3
Sequence 3, Application US/08445461
Patent No. 6096527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-461-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGAGCTTGAGGAGCAAGATGCTGCCCCACCCCTTAGAGCCCGAGGATCAG 315
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Db 17 GTTGAGCTTGAGGAGCAAGATGCTGCCCCACCCCTTAGAGCCCGAGGATCAG 76
QY 316 GAGCTATGAGACGAGAGCCCTGTCTATCTTACTGCTGCTCTCTGTTGGCAAGTGAG 375
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Db 77 GAGCTATGAGACGAGAGCCCTGTCTATCTTACTGCTGCTCTCTGTTGGCAAGTGAG 136

QY 376 ATGTGACATGAGGAGACATTTTGATCTCCGCAAGTGCCGCTATGCGCTGGGCTGACG 435
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Db 137 ATGTGACATGAGGAGACATTTTGATCTCCGCAAGTGCCGCTATGCGCTGGGCTGACG 196
QY 436 ACCGACCATCCCAAGACATGACATCTCTGCTCCAGCTCTGTCAGATTCCACTGCGG 495
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Db 197 ACCGACCATCCCAAGACATGACATCTCTGCTCCAGCTCTGTCAGATTCCACTGCGG 256
QY 496 CCGGACACAGAGGTTGAGAGACATGACGAGATGAGGAGTGGGCTGTGTCGCGGAGGTCGG 555
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Db 257 CCGGACACAGAGGTTGAGAGACATGACGAGATGAGGAGTGGGCTGTGTCGCGGAGGTCGG 316
QY 556 TGTTCCTCAAGAGAGAGAGTACTTGACAGTGGATCTACACGACTCCAGCTGTTGGTCTC 615
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Db 317 TGTTCCTCAAGAGAGAGAGTACTTGACAGTGGATCTACACGACTCCAGCTGTTGGTCTC 376
QY 616 TGTGAGGACCCAGGAGGAGGATGCGGGGCTGGGCAAGAGTTCTCCGAGAGTACC 675
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Db 377 TGTGAGGACCCAGGAGGAGGATGCGGGGCTGGGCAAGAGTTCTCCGAGAGTACC 436
QY 676 GGGTGGTACTCCCGGAGTGGTCCCGCTGATGGGCTGGAAGAGCCGCTGGGCTCAG 735
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Db 437 GGGTGGTACTCCCGGAGTGGTCCCGCTGATGGGCTGGAAGAGCCGCTGGGCTCAG 496
QY 736 AGGTGATCTCAGGCAATGAGAGACCTGAGAGAGATGATCTGAAGACCTTGAGGCCCCCA 795
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Db 497 AGGTGATCTCAGGCAATGAGAGACCTGAGAGAGATGATCTGAAGACCTTGAGGCCCCCA 556
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Db 557 TGTGTCGCGGAGTGGTCTTACCCCGGCTGACCGGGTCAATGATGCTGTCTGTC 616
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Db 617 GGGTGAAGCTATAGTGGTCTGCTGAGAGAGATGAGTCTGCTTACACCGGCTGGTG 676
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Db 797 ATGACTTAGAGAGAGTGAAGAGTGGGCTGGGCTGGGCAAGCTATGAGATGAGATGA 856
QY 1096 GCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGATGAGTTGACCGGCTGAGAG 1155
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Db 857 GCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGATGAGTTGACCGGCTGAGAG 916
QY 1156 CTTTCAGGCTATGAGTGTCCACTGTAAACATGACACAGCTGGAGCCGCTGTGCTG 1215
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QY 1216 GCGGAGTGAATGCTGCTGCGGCTGGGCTGGGCAAGCTGAGGAGGAGCCCAATGC 1275
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Db 977 GCGGAGTGAATGCTGCTGCGGCTGGGCTGGGCAAGCTGAGGAGGAGCCCAATGC 1036
QY 1276 GCAACACCTAGGAGGAGCACTGGGAGACCCAGAGCCCGGCTGTCTCAGTGGCCCTTG 1335
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Db 1037 GCAACACCTAGGAGGAGCACTGGGAGACCCAGAGCCCGGCTGTCTCAGTGGCCCTTG 1096
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Db 1097 GCGGCGTGTGCTGCTGCTTGTGCAATGCGCTTCTCTTGGGAGGCGCTGTGTTACTCT 1156
QY 1396 TCAGCAAAATCTCTTATCTCTGATGCTGATGCTGATGCTCTCTCCGCAATGAGAGCA 1455
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Db 1157 TCAGCAAAATCTCTTATCTCTGATGCTGATGCTGATGCTCTCTCCGCAATGAGAGCA 1216
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1277 AGCTGAGGCCAAGGCGACACCCGCTGGCCAAAGCCGAGGGAGCCCGACGCCATCC 1336
1576 TCATCGGCTGCTGTGTGGCCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1635
1337 TCATCGGCTGCTGTGTGGCCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1396
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1397 GGGGCTGCACTGGCCAGGCTCTCCAGAGGCTGAACGAGGAGGTTTGGAAAGAGAGC 1456
1696 TCACGTTACCTCTCTGTCCCTGGGACACTATCCCTCAACCAACGCCCGACAGTCTTA 1755
1457 TCACGTTACCTCTCTGTCCCTGGGACACTATCCCTCAACCAACGCCCGACAGTCTTA 1516
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1577 GTGTCCCAATGAGCTCTGGGTTGCTGCTCTCAATCCAGGCTACCGGCTCTTCTGGCCA 1636
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1637 CTTAGCCCGTCCCTCCAGAGCCCGGCGCCCGCCACACCCGCTGGGCAAAACCCACA 1696
1936 ACACCCAGGCTACAGTGGGGAGTATAGAGCTGAGAGCCAGGCGCCGCTTCTGTC 1995
1697 ACACCCAGGCTACAGTGGGGAGTATAGAGCTGAGAGCCAGGCGCCGCTTCTGTC 1756
1996 CCCACCTCCCGAGAAACAGCGTCCCATTTATGCCAGGCTGACATTTGTTACCTCCAGG 2055
1757 CCCACCTCCCGAGAAACAGCGTCCCATTTATGCCAGGCTGACATTTGTTACCTCCAGG 1816
2056 GGGTACCGGGGGCAACACTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2115
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2279 CGCAGGGGGCCACCATGAGCTAACCAATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2338
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2339 GCATGCGCTATCTGGCCACACATCAACTTTGTATGCTGGGACCTGGCCAGCGAGTGGCC 2398
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3093 ACTGACACACATGATCTCTGGAGAGGAGGCTGGG-CCGACCTTCTCTCCCTGCTGAC 3152
3495 ACATGAGACCCCACTGGCTGAGAAATCTGGGGGTGAGAGAGCAAGAGAGAGAGAGAAATG 3554
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 Db 3573 ATATTAAGGTGAGTTTCCACAAAAA 3611
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RESULT 6

US-08-445-640-7
 : Sequence 7, Application US/08445640
 : Patent No. 5709858
 : GENERAL INFORMATION:
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Mark, Melanie R.
 : APPLICANT: Scadden, David T.
 : APPLICANT: Baker, Kevin P.
 : APPLICANT: Baron, Will F.
 : TITLE OF INVENTION: Protein Tyrosine Kinases
 : NUMBER OF SEQUENCES: 35
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Genentech, Inc.
 : STREET: 460 Point San Bruno Blvd
 : CITY: South San Francisco
 : STATE: California
 : COUNTRY: USA
 : ZIP: 94080
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: patin (Genentech)
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/445,640
 : FILING DATE: 22-MAY-1995
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/170558
 : FILING DATE: 20-DEC-1993
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/157563
 : FILING DATE: 23-NOV-1993
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Hasak, Janet E.
 : REGISTRATION NUMBER: 28,616
 : REFERENCE/DOCKET NUMBER: 854C2
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 415/225-1896
 : TELEFAX: 415/952-9881
 : TELEX: 910/371-7168
 : INFORMATION FOR SEQ ID NO: 7:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 1197 bases
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : US-08-445-640-7

Query Match 30.1%; Score 1192.2; DB 1; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 1,36-272;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Oy 375 GATGCTGACATGAAAGGAGCATTTTATCTCTGCAAGTGCCTGATGCTTGGGATGAG 434
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 Db 1 GATGCTGACATGAAAGGAGCATTTTATCTCTGCAAGTGCCTGATGCTTGGGATGAG 60
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 Oy 435 GACCGAGCATCCCGAGAGTACATCTCTGTTCCAGTCTCTGTTGATCCACTGCC 494
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 Db 61 GACCGAGCATCCCGAGAGTACATCTCTGTTCCAGTCTCTGTTGATCCACTGCC 120
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 Oy 495 GCCCGCCACAGCAGGTGGAGAGCAGTACGCGGGATGGGGCTGGTCCCGCAGGTGCG 554
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 Db 121 GCCCGCCACAGCAGGTGGAGAGCAGTACGCGGGATGGGGCTGGTCCCGCAGGTGCG 180
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 Oy 555 GTGTTTCCAGAGAGGAGAGTACTGTGAGTGGATCTTCAACAGCTCCACTGGTGGCT 614
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 Db 181 GTGTTTCCAGAGAGGAGAGTACTGTGAGTGGATCTTCAACAGCTCCACTGGTGGCT 240
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 Oy 615 CTGTTGGGACCCAGGAGGAGCATGCCGGGGCTGGGCAAGAGATTCTCCGAGCTAC 674
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 Db 241 CTGTTGGGACCCAGGAGGAGCATGCCGGGGCTGGGCAAGAGATTCTCCGAGCTAC 300
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 Db 301 CGGCTGCTTACTCCCGGATGCTGCGCTGATGGCTGGAGAGCCCTGGGGTACG 360
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 Db 421 ATGTTGGCCGACTGTGCTTCTTACCCCGGGCTGACCGGGTATGATGATGCTGTG 480
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 Db 481 CGGTTAGAGCTTATGCTGCTCTGAGAGATGAGACTCTGTCTTACCGGCCCTGTG 540
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 Oy 975 ACCGTGGGCGAGCTGACATGAGGGGTCTGGGCCAGCTGGAGATGGTGGGGGTG 1034
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 Oy 1035 GATGACTTTAGGAAGAGTCAGAGAGCTGCGGGTCTGGGCCAGCTATGATGTGGATG 1094
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 Oy 1095 AGCAACACACACTTCTCCAGTGGCTATGAGATGAGATTGAGATTGACCGGCTGAG 1154
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 Oy 1275 CGCCACAACCTAGGGGGGGAACCTGGGGGACCCAGAGCCCGGGCTGTCTAGTCCCTT 1334
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 Oy 1335 GGGGGCGTGTGCTGCTTCTGACAGTGCCTTCTTGGGGGCGCTGTTACT 1394
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 Oy 1395 TTCAAGCAATCTCCTTCATCTGTGATGTGTGAACAATCTCTCCGGCACTGGAGCG 1454

US-08-447-314-7
Sequence 7, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.3e-272;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATCTGACATGAGGACATTTGATCTGCTGCAAGTGCCTGATGCGCTGGGATCGAG 434
DB 1 GATCTGACATGAGGACATTTGATCTGCTGCAAGTGCCTGATGCGCTGGGATCGAG 60
QY 435 GACCGGACATCCAGACAGTGAATCTGCTTCCAGCTCTGCTGAGATTCACATGCC 494
DB 61 GACCGGACATCCAGACAGTGAATCTGCTTCCAGCTCTGCTGAGATTCACATGCC 120
QY 495 GCCCGCCACAGCAGGTGGAGAGCAGTGAAGGAGGATGGGCGCTGGTCCCGCCAGGCTGC 554
DB 121 GCCCGCCACAGCAGGTGGAGAGCAGTGAAGGAGGATGGGCGCTGGTCCCGCCAGGCTGC 180
QY 555 GTGTTTCCAGAGAGAGAGTACTTGCAGTGGATCTACAGACATCCACTGGTGGCT 614
DB 181 GTGTTTCCAGAGAGAGAGTACTTGCAGTGGATCTACAGACATCCACTGGTGGCT 240
QY 615 CTGGTGGGCAACCAAGGAGGAGCGGATCCGGGGGCTGGGCAAGAGTTCTCCCGAGCTAC 674
DB 241 CTGGTGGGCAACCAAGGAGGAGCGGATCCGGGGGCTGGGCAAGAGTTCTCCCGAGCTAC 300
QY 675 CGGCTGGCTTACCTCCCGGAGTGGTCCCGGCTGGATGGGCTGGAAGACCCCTGGGGTAC 734

DB 301 CGGCTGGCTTACTCCCGGAGTGGTCCCGCTGGATGGGCTGGAAGACCCCTGGGGTAC 360
QY 735 GAGGTGATCTCAGCAATGAGAGACCCCTGAGGAGGAGGAGTGAAGACCTGGGCCCC 794
DB 361 GAGGTGATCTCAGCAATGAGAGACCCCTGAGGAGGAGGAGTGAAGACCTGGGCCCC 420
QY 795 ATGTTGCCGACATGATGCTTCTTACCCCGGCTGACCGGATCATGATGCTGCTG 854
DB 421 ATGTTGCCGACATGATGCTTCTTACCCCGGCTGACCGGATCATGATGCTGCTG 480
QY 855 CGGCTAGAGCTCTATGCTGCTCTGAGGAGGATGAGATCTGCTTACACCCGCTG 914
DB 481 CGGCTAGAGCTCTATGCTGCTCTGAGGAGGATGAGATCTGCTTACACCCGCTG 540
QY 915 GGGGACAGCAATGATTTATCTGAGCCGCTGATCTCAACGACTCCACTATGAGGACAT 974
DB 541 GGGGACAGCAATGATTTATCTGAGCCGCTGATCTCAACGACTCCACTATGAGGACAT 600
QY 975 ACCGTGGGCGGACTGCAATGATGGGAGTGGGCGGAGCTGGGAGATGGTGGTGGGCTG 1034
DB 601 ACCGTGGGCGGACTGCAATGATGGGAGTGGGCGGAGCTGGGAGATGGTGGTGGGCTG 660
QY 1035 GATGACTTTAGAGAGAGTCAAGAGCTGGGCTGGGCGGAGCTATGATATGAGGATG 1094
DB 661 GATGACTTTAGAGAGAGTCAAGAGCTGGGCTGGGCGGAGCTATGATATGAGGATG 720
QY 1095 AGCAACCAACAGCTTCTCCAGTGGCTATGAGATGAGATGAGATTTGATTTGACCGGCTG 1154
DB 721 AGCAACCAACAGCTTCTCCAGTGGCTATGAGATGAGATGAGATTTGATTTGACCGGCTG 780
QY 1155 GCCTTCCAGGCTATGAGAGTCAAGTCAACATGCAACAGCTGGGAGCCGCTGCTGCT 1214
DB 781 GCCTTCCAGGCTATGAGAGTCAAGTCAACATGCAACAGCTGGGAGCCGCTGCTGCT 840
QY 1215 GCGGCGGTGAGATGCTGCTTCCGCTGGGCTGGGCTGGGAGGAGGAGGAGGAGGAGG 1274
DB 841 GCGGCGGTGAGATGCTGCTTCCGCTGGGCTGGGCTGGGAGGAGGAGGAGGAGGAGGAGG 900
QY 1275 CGCCACAAACCTAGGAGGAGCAACCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1334
DB 901 CGCCACAAACCTAGGAGGAGCAACCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 960
QY 1335 GCGGCGGTGAGATGCTGCTTCCGCTGGGCTGGGCTGGGAGGAGGAGGAGGAGGAGGAGG 1394
DB 961 GCGGCGGTGAGATGCTGCTTCCGCTGGGCTGGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGG 1020
QY 1395 TTCAAGCAATCTCTTCATCTCTGATGAGTGAACAATTCCTCTCCGGCACTGGAGAGC 1454
DB 1021 TTCAAGCAATCTCTTCATCTCTGATGAGTGAACAATTCCTCTCCGGCACTGGAGAGC 1080
QY 1455 ACCTTCCGCGAGCCGCTGGTGGGCGGCTGGGCGGCTGGGCGGCTGGGCGGCTGGGCGGCTG 1514
DB 1081 ACCTTCCGCGAGCCGCTGGTGGGCGGCTGGGCGGCTGGGCGGCTGGGCGGCTGGGCGGCTG 1140
QY 1515 GAGCTGAGGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1571
DB 1141 GAGCTGAGGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1197

RESULT 9
US-08-445-461-7
Sequence 7, Application US/08445461
Patent No. 6096527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/1/0558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ. ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-461-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;

Best Local Similarity 99.7%; Pred. No. 1.3e-272; Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAAGGACATTTGATCTGCGCAAGTGGCGGTATCCCTGGGCATGACAG 434
DB 1 GATGCTGACATGAAGGACATTTGATCTGCGCAAGTGGCGGTATCCCTGGGCATGACAG 60
QY 435 GACCGGACCATCCAGACAGTGCATCTGCTCCAGCTCTGTCAGATTCCACTGCC 494
DB 61 GACCGGACCATCCAGACAGTGCATCTGCTCCAGCTCTGTCAGATTCCACTGCC 120
QY 495 GCCCGGCACAGAGGTGAGAGCAGTGCAGGCGGATGGGCGGTGGCCCGGAGGGTGC 554
DB 121 GCCCGGCACAGAGGTGAGAGCAGTGCAGGCGGATGGGCGGTGGCCCGGAGGGTGC 180
QY 555 GTGTTTCCCAAGAGAGAGTACTTGCAGTGGATCTCAACAGACTTCCACTGGTGGCT 614
DB 181 GTGTTTCCCAAGAGAGAGTACTTGCAGTGGATCTCAACAGACTTCCACTGGTGGCT 240
QY 615 CTGCTGGGCGACCCAGGAGCGCATGCGGGGGGCTGGGCAAGAGATTCTCCCGGAGCTAC 674
DB 241 CTGCTGGGCGACCCAGGAGCGCATGCGGGGGGCTGGGCAAGAGATTCTCCCGGAGCTAC 300
QY 675 CGGCTGCGCTTACTCCCGGGGATGGTGGCGGCTGGATGGGCTGGAAGAGACCGCTGGGCTCAG 734
DB 301 CGGCTGCGCTTACTCCCGGGGATGGTGGCGGCTGGATGGGCTGGAAGAGACCGCTGGGCTCAG 360
QY 735 GAGGTGATCTCAGGCAATGAGACCTTGAGAGAGTGGTGTCTGAAGACCTTGGGCGCCCG 794
DB 361 GAGGTGATCTCAGGCAATGAGACCTTGAGAGAGTGGTGTCTGAAGACCTTGGGCGCCCG 420
QY 795 ATGCTTGGCCGAGCTGCTTCTTCAACCCCGGGCTGACCGGGGTCTAGATGTCTGTCTG 854
DB 421 ATGCTTGGCCGAGCTGCTTCTTCAACCCCGGGCTGACCGGGGTCTAGATGTCTGTCTG 480

QY 855 CGGCTAGAGCTCTATGCTGCTCTTGAAGGATGAGACTCTCTGTCTTAACACCCCGCTGTG 914
DB 481 CGGCTAGAGCTCTATGCTGCTCTTGAAGGATGAGACTCTCTGTCTTAACACCCCGCTGTG 540
QY 915 GGGCAGCAATGATTTATCTGAGGCGGTGTACTCTCAAGACCTCAACCTTGAACGAGCAT 974
DB 541 GGGCAGCAATGATTTATCTGAGGCGGTGTACTCTCAAGACCTCAACCTTGAACGAGCAT 600
QY 975 ACCGTGGCGGAGCTGAGTATGGGGGTCTGTGGCCAGCTGGCAGATGCTGTGTGGGGCTG 1034
DB 601 ACCGTGGCGGAGCTGAGTATGGGGGTCTGTGGCCAGCTGGCAGATGCTGTGTGGGGCTG 660
QY 1035 GATGACTTTGAGAAAGTCAAGAGACTGCGGGGTCTGGCCAGGCTATGATGTGGATGG 1094
DB 661 GATGACTTTGAGAAAGTCAAGAGACTGCGGGGTCTGGCCAGGCTATGATGTGGATGG 720
QY 1095 AGCAACACAGCTTCTCAGTGGGTATGTGAGATGAGATTGATTGACCGGCTGAGG 1154
DB 721 AGCAACACAGCTTCTCAGTGGGTATGTGAGATGAGATTGATTGACCGGCTGAGG 780
QY 1155 GCTTCCAGGCTATGACAGTGCACATGTACACATGACAGCTGGAGCCGCTGCTGCT 1214
DB 781 GCTTCCAGGCTATGACAGTGCACATGTACACATGACAGCTGGAGCCGCTGCTGCTGCT 840
QY 1215 GCGGGGTGGAATGTGCTTCCGGCGGTGGCCCTGAGCTGGGAGGGAGGCCATG 1274
DB 841 GCGGGGTGGAATGTGCTTCCGGCGGTGGCCCTGAGCTGGGAGGGAGGCCATG 900
QY 1275 GCGCACAACTAGGGGGGCAACTGTGGGGAGACCCAGAGCCGGGCTGCTCAGTGCCCTT 1334
DB 901 GCGCACAACTAGGGGGGCAACTGTGGGGAGACCCAGAGCCGGGCTGCTCAGTGCCCTT 960
QY 1335 GCGGGCGGTGTGCTGCTTCTGCACTGCGCTTCTTCTTTCGCGGGGCGCTGTACTC 1394
DB 961 GCGGGCGGTGTGCTGCTTCTGCACTGCGCTTCTTCTTTCGCGGGGCGCTGTACTC 1020
QY 1395 TTGACGCAAAATCTCTTCACTCTGATGTGTGTGAACAATTCCTCTCGGAGCTGGAGGC 1454
DB 1021 TTGACGCAAAATCTCTTCACTCTGATGTGTGTGAACAATTCCTCTCGGAGCTGGAGGC 1080
QY 1455 ACCTTCCCGGACCCCTGCTGGGCGGCTGGGCGCACTCCGCAAACTTCAACAGCTTG 1514
DB 1081 ACCTTCCCGGACCCCTGCTGGGCGGCTGGGCGCACTCCGCAAACTTCAACAGCTTG 1140
QY 1515 GACCTGAGCCAGAGAGCCAGACCCGCTGTGGCCAGAGGCGGAGGCCGAGCCGCC 1571
DB 1141 GACCTGAGCCAGAGAGCCAGACCCGCTGTGGCCAGAGGCGGAGGCCGAGCCGCC 1197

RESULT 10
US-08-336-343A-3
Sequence 3, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCR-2, A No. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Penile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A

Db 1985 CAGTGGCTGGCCGACCATGAGACCTGCTCAGAGAAAAGATGAGGCTGTGGAGAGTCC 2044
Qy 2137 CTGAGTCTGAGACCCGCTTCAAGAGAGCTTGGCCAGGGCCGCTTGGGAGAGTGCACC 2196
Db 2045 CCGAGAACTCTCACTTCTCAAGAAAGCTGGAGAGAGATTTGGGAGAGTTCATC 2104
Qy 2197 TGTGTAGGTGACAGACCTCTCAGATCTGGTCACTTGTGATTTCCCTTAATGTGTGTA 2256
Db 2105 TCTGTGAATGGAGGAGAAATTCAGAAAGATTTTGGCTTGAATGTAGTGTAGT 2164
Qy 2257 AGGAGACCCCTTGTCTGTAGTGTCAAGATCTTACAGCCAGATGCCACCAAGATGCCA 2216
Db 2165 CCAACAGCCCTGCTGGGAGCTGTAAGATGCTCCGAGAGATGCCAACAAGT--- 2221
Qy 2317 GCTTCTCTTGTCTCCAGAAATGATTTCTCTGAAAGGTGAAGATCATGTGAGGCTCA 2376
Db 2222 -----CCAGAAATGATTTCTTAAGAGATTAAGATCATGTCTCGGCTCA 2266
Qy 2377 AGGACCCCAACATCATTCGCTGTGGGCTGTGTGAGAGAGACCCCTCTGATGA 2436
Db 2267 AGGACCCCAACATCATTCATCTATTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2326
Qy 2437 TTAGTACTACATGAGAAAGGCGACCTCAACAGTTCTCTAGTGTGCCACAGCTGGAGG 2496
Db 2327 TCACGTGAATACATGAGATGAGATCTCAATCAGTTCTTCCCGCCAGAGCCCTCA 2386
Qy 2497 ACAAGGACCCAGAGGGGCGCTGGGAGAGGCGGCTCGCAGGGGCGCCACCATAGCT 2556
Db 2387 ATTCTTCTCTCAGCG-----ATGTACCCACTGTGAGT 2419
Qy 2557 ACCCAATGCTGTGATGATGAGGAGCCAGATGCGCTCCGAGATGCCCTATTCGGCCACAC 2616
Db 2420 ACACCAATCTGAAGTTATGCTTACCCAAATTCCTCTGCTGAGATGACCTCTCTGTATGA 2479
Qy 2617 TCACTTTGTATACATGAGGAGCTGGCCAGCGGAGTCTAGTGGGAGAAATTCACCA 2676
Db 2480 TTAATTTTGTTCACCGAGATCTGGCCAGCAAGAACTGTCTAGTGGTAAAGTACACAA 2539
Qy 2677 TCAAAATGGCAGACTTTGGCATGAGCCGGAACCTCTATGCTGGGAGCTAATTAACCTGTGC 2736
Db 2540 TCAAAATGGCAGACTTTGGCATGAGCCGGAACCTCTATGCTGGGAGCTAATTAACCTGTGC 2599
Qy 2737 AGGCGGCGGAGTGTGCGCATCGCGTGGATGCGCTGGGAGGAGTCCATCAGGGGAAT 2796
Db 2600 AGGCGGCGGAGTGTGCGCATCGCGTGGATGCGCTGGGAGGAGTCTTGGGAGGAGT 2659
Qy 2797 TCAGACATGCGAGTACGTGTGGGCTTGTGTGTGACCTCTGGGAGGAGTGTGATGTCT 2856
Db 2660 TCACATACAGCAAGTGTGTGGGCTTGTGGGCTTACTTTGTGGAGACTTTCACCTTT 2719
Qy 2857 GTAGGCGGCGGAGTGTGGGAGCTGTACCGGAGGAGGAGTCTGTGAGAAAGCGGGGAGT 2916
Db 2720 GTCAAGAACAGCCCTATTCCTCAGCTGTGAGTGAACAGTATTAAGATTAATGTGAGAT 2779
Qy 2917 TCTTCCGAGGAGGCGGCGGAGTGTACCTGTCCCGCGGCTCCCTGCGCGGAGGAGG 2976
Db 2780 TCTTCCGAGGAGGCGGAGGAGGAGTGTACCTGTCCCGCGGCTCCCTGCGCGGAGGAGG 2839
Qy 2977 TATATGAGCTATGCTGTGGTGTGAGACCGGGAGTGTGAGAGGAGGAGGAGGAGGAGG 3036
Db 2840 TGTATTAAGCTGATGTGCTGCTGTGAGAGAGATACGAGAGAGGAGGAGGAGGAGGAGG 2899
Qy 3037 AGTGCATCGGTCT 3052
Db 2900 AAATCCACTTCTGCT 2915

RESULT 11
US-08-336-343A-5/C
; Sequence 5, Application US/08336343A
; Patent No. 5677144
; GENERAL INFORMATION:

APPLICANT: Ullrich, Axel
TITLE OF INVENTION: CCR-2, A No. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Penile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3157 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-336-343A-5

Query Match 16.28; Score 642; DB 1; Length 3157;

Best Local Similarity 56.58; Pred. No. 2,1e-142; Matches 1534; Conservative 0; Mismatches 975; Indels 207; Gaps 10;

Qy 349 TCGTGTCTCTTGTGGGAGAGTGTGAGATGCTGACATGAGGAGGAGGAGGAGGAGGAGGAGG 408
Db 2763 TGTGTGTCTCTGTGGGAGGAGTGTGAGATGCTGACATGAGGAGGAGGAGGAGGAGGAGGAGG 2704
Qy 409 AGTGGCGGATATCCCTGGGAGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 468
Db 2703 TATGGCGGATATCCCTGGGAGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2644
Qy 469 CCAGCTCTGTCAGATTCACATGCGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 528
Db 2643 CCAGCTCTGTCAGATTCACATGCGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2584
Qy 529 ATGGGCGGAGTGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 585
Db 2583 ATGGGCGGAGTGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2524
Qy 586 TGGATCTCAACAGATCCACCTGT 645
Db 2523 TTGACTTGCACACCTCCATTTATCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2464
Qy 646 GCTTGGGAGGAGGAGTGTCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 705
Db 2463 GTCATGCGATGAGGAGTGTCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2404
Qy 706 GATGGGCTGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 765
Db 2403 GGATCTTGTGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2344
Qy 766 GAGTGTGTGTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 825

DB 2343 ACATTTTCCTAAAGAGAGTGGAGCCGCCCATTTGTAGCCAGATTTGCCGGTTCATTCCAG 2284
QY 826 GGGGTACCCGGGATGATGATGCTGTCTGCGGGTAGAGCTATGAGCTGCTCTGGAGG 885
DB 2283 TCACCGACCACTCCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2224
QY 886 ATGAGACTGCTGTCTTACACCGCCCTGTGGGGAGACAAATGATTTATCTGAG----- 939
DB 2223 ATGGCTTGTGTCTTACATGCTCCAGCTGGGAGAGTTGTACTCCCTGGAGGTTCGA 2164
QY 940 CCGTGTACTCAACGACTCCACTATGAGAGGACATACCTGGGGGAGCTGCAATATGAGG 999
DB 2163 TCATTTATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2103
QY 1000 GTCTGGGAGCTGGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1059
DB 2104 --CTAGGCCAATGACCGATGCTGTGTCTGCGCTGGAGCATTTCCACCCAGACCATGAT 2047
QY 1060 TGGGGGTCTGGCCAGGCTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1119
DB 2046 ACCAGCTGTGGCCCGGCTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1987
QY 1120 ATGTGAGATGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1179
DB 1986 ACATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1927
QY 1180 GTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1239
DB 1926 GGAACAACTGTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1867
QY 1240 GTGGCCCTCCATGCGCTGGAGGGAGGCCATGCGGCACAACTGAGGGGCAACTGG 1299
DB 1866 CTG---AACCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1810
QY 1300 GGAACCCAGAGCCGGGCTGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1359
DB 1809 TCACCCCGATGCTG 1750
QY 1360 AGTGGCGCTTCTCTTGGGGGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 1419
DB 1749 ACTGTCAATACCATTTGTGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1690
QY 1420 ATGTGTGAACTATCTCTGCGGACATGAGAGGACCTTCCCGCAGCCCTCTGATGAG 1479
DB 1689 ATGTGTGAACTATGAACTATGAACTATGAACTATGAACTATGAACTATGAACTATGAA 1643
QY 1480 CCGCTGGCCACCTCCACAACTTCAAGAGCTTGGAGCTGGAGGCGAGAGGCGAGAGC 1539
DB 1644 -----TGGCACCCCAACCTATGATC 1624
QY 1540 CCGTGGCCAAAGGCGAGGGAGCCCGACCCGACCTCATGCGCTGCTGTGGCCATCA 1599
DB 1623 CATGCTTAAAGTGTGAGACGACAACTCGGATCTGATGCTGTGGCTGTGGGCGATCA 1564
QY 1600 TCGTCTCTCTGCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1659
DB 1563 TCTTTATCTCTCTGCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1504
QY 1660 TCAGCAAGGCTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1719
DB 1503 TGGAGAAAGGCTTCTGGAGGATGCTGATGATGATGATGATGATGATGATGATGATGATG 1444
QY 1720 GGGAGACTATCTCATCAACACCGCCAGGCTCTAGAGAGCACCCCGCTCCAGAGAGC 1779
DB 1443 GAGATTTAGCATGTTCAACAAT-----AACGCTCTCT 1411
QY 1780 CCGGCGCTCTGTGGAGATCCGCGCCACTCGCTCTGTGTCCCATGAGCTCTGCTTGC 1839
DB 1410 CATCACTAGTGTACAAAGGCTTCAACTGATGATGATGATGATGATGATGATGATGATGATG 1362
QY 1840 TCGTCTCAATCCAGCTACCGGCTCTTCTGGGCACTTACGCGCGTCCCGCTGGAGGCG 1899

DB 1363 -----CCCTTCGCC 1354
QY 1900 GGGGCCCCCACACCCGCTGGGCCAAACCCACCAACCCAGGCTTACATGGGAGCT 1959
DB 1353 CTGACTACAGAGAGCCATCAGGCTGATGAGAACTCCAGAAATTTGCTCCAGGGAGG 1294
QY 1960 ATATGAGGCTGAGAGAGCCAGGCGCCCTTGTGCCCCCAGCTCCCAAGACAGGCTC 2019
DB 1293 AGGAGTCAAGCTGACAGGCTGTGTGTGAAACCACTCCAGCCAGTGGCCCTGAGGGGTGC 1234
QY 2020 CCCATTTATCCGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2079
DB 1233 CCCATTTATCCGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1174
QY 2080 CTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2136
DB 1173 CAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1114
QY 2137 CTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2196
DB 1113 CCAGGAACCTCTTAATCTTCAAGAGAGAGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1054
QY 2197 TGTGTAGGTGCAACAGCCCTCAAGATCTGTGATGATGATGATGATGATGATGATGATG 2256
DB 1053 TGTGTAGGTGCAAGGAG 994
QY 2257 AGGACACCCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2316
DB 993 CCACACGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 935
QY 2317 GCTTCTCTTGTCTCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2376
DB 936 -----CAAGGATGATTTCTTAAGAGATTAAGATGATGATGATGATGATGATGATG 892
QY 2377 AGGACCCCAACATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2436
DB 891 AGGACCCCAACATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 832
QY 2437 TTACTGACTACATGAG 2496
DB 831 TCAGTGAATACATGAG 772
QY 2497 ACAAGGACCGGAGGGGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2556
DB 771 ATTTCTCTCCAGC-----ATGACGCACTGTACAGT 739
QY 2557 ACCCAATGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2616
DB 738 ACACCAATCTGAAGTTATGAGTACCAAAATGCTTGGCATGAGATACCTTCTCTCTC 679
QY 2617 TCAACTTGTACATGAG 2676
DB 678 TTAATTTTGTTCACCGAATCTGCGGACACAGAACTGTTAGTGGGTAAAGAACTACACAA 619
QY 2677 TCAAAATGCAAGCTTTGGCATGAGCCGGAACCTTATGCTGGGAGATTAATACCGTGTGC 2736
DB 618 TCAAGATGCTGATCTTGAATGAGACAGAACTGTAAGAGTGTGATACCTATACCGGATCC 559
QY 2737 AGGCGGGGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2796
DB 558 AGGCGGGGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 499
QY 2797 TCACGACTGAGTACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2856
DB 498 TCACGACTGAGTACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 439
QY 2857 GTAGGCGCCAGCCCTTGGGAGCTCACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2916
DB 438 GTCAAGAACAGCCCTATTCAGAGCTGTGATGATGATGATGATGATGATGATGATGATGATG 379
QY 2917 TCTTCCGGGAGAGGAGGAG 2976
DB 378 TCTTCCGGAGAGGAGGAG 319

QY 2977 TATGAGCTGATGCTGCTGCTGAGCCGGAGTCTGAGACGACACCTTTTCCC 3036
+ + + + +
Db 318 TGTATAGCTGATGCTGCTGCTGAGAGAGATACGAAACCGCTCTCATTTCCAG 259
+ + + + +
QY 3037 AGCTGATCGGTTCT 3052
+ + + + +
Db 258 AATCCACCTCTGCT 243
+ + + + +

RESULT 12

US-08-456-647B-19
Sequence 19, Application US/08456647B
Patent No. 5811516
GENERAL INFORMATION:
APPLICANT: Lemke Ph.D. et al., Greg E.
TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,647B
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/237,401
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07251/007002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5099
FAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 3120 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
IMMEDIATE SOURCE:
CLONE: Tyro-10
FEATURE:
NAME/KEY: CDS
LOCATION: 485..3047
US-08-456-647B-19

Query Match 16.1%; Score 639.8; DB 1; Length 3120;
Best Local Similarity 56.5%; Pred. No. 6.9e-142;
Matches 1552; Conservative 0; Mismatches 987; Indels 210; Gaps 11;

QY 348 CTGCTGCTCTTGTGGCAAGTGGAGATGTCATGATGAAGGACATTTTGTGCTCC 407
+ + + + +
Db 509 CTGCTGCTGCTCTTGTGGCAAGTGGAGATGTCATGATGAAGGACATTTTGTGCTCC 568
+ + + + +
QY 408 AAGTGGCGATATGCGCGGAGATGCGAGACCGGACATCCAGACAGTGAATCTTCTCT 467
+ + + + +
Db 569 ATATGCGGATATCTGCGGAGATGTCAGAGAGCCACATTCAGATGAGACATCACAGCC 628
+ + + + +

QY 468 TCCAGCTCCTGTCAGATTTCCACTGCCGCCGCCGACAGACAGTGGAGACAGTACGGG 527
+ + + + +
Db 629 TCAAGTCAGAGTGCAGAAATTCACGCGTGCCTGCAATATGAGAGGCGCTGACCTGAGAGAGA 688
+ + + + +
QY 528 GATGGGCGCTGTGTCGCCCGGAGGCGGTGTTTCCCAAGG---GGAGAGTACTTGCGAG 584
+ + + + +
Db 689 GATGGAGCGCTGTGTCGCCCGGAGGCGGTGTTTCCCAAGG---GGAGAGTACTTGCGAG 748
+ + + + +
QY 585 GTGATCTACACAGCTCCACTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 644
+ + + + +
Db 749 ATGACTGTGAGACCTTACACTTATACACTTGTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 808
+ + + + +
QY 645 GCGCTGGGCAAGAGTTCCTCCGAGCTACCGGCTGCTTACTCCGGGAGTGTGCGCG 704
+ + + + +
Db 809 GGTGATGAGCAATGAAATTTGACCCAGTACAGATACACTAGTGGGATGGAGTGC 868
+ + + + +
QY 705 TGGATGGGCTGGAAGAGCGGCTGGGTCAGAGGCTGATCTCAGGCAATAGAGACCTGAG 764
+ + + + +
Db 869 TGGATCTCTGCGCTGTAACCGGCAATGGAGAGAGGCTGTGATGAGAAACAGTAACCTTAT 928
+ + + + +
QY 765 GGAATGCTGTAAGAGACCTTGGGCGCCCGGATGCTGCTGCTGCTGCTGCTGCTGCTG 824
+ + + + +
Db 929 GATGATCTCTGTAAGAGACCTTGGAGCGACCCATGCTGCGAGATTTGCTGCTTATCCCA 988
+ + + + +
QY 825 CCGGCTGACCGGCTCATGAGTGTGTGCTGCGGATGAGCTGTAGGCTGCTGCTGAGG 884
+ + + + +
Db 989 GTACAGTACACCTGCTACAGCTGTGCTGAGAGGCTGTGCTGCTGCTGCTGCTGCTGCT 1048
+ + + + +
QY 885 GATGAGCTCCTGCTTACACCGCCCGCTGGGCGAGACAAATGATTTATCTAGG----- 939
+ + + + +
Db 1049 GATGCTGCTGCTTACACCGCCCGCTGGGCGAGACAAATGATTTATCTAGG----- 939
+ + + + +
QY 940 -CCGCTGCTGCTGCTTACACCGCCCGCTGGGCGAGACAAATGATTTATCTAGG----- 939
+ + + + +
Db 1109 ATCATTTATCTGATGATGATTTCTGATGATGATGATGATGATGATGATGATGATGATG 1168
+ + + + +
QY 999 GGTCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1058
+ + + + +
Db 1169 ---CTAGGCGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1225
+ + + + +
QY 1059 CTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1118
+ + + + +
Db 1226 TACACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1285
+ + + + +
QY 1119 TATGAGAGATGAGATTTGATGATTTGACCGGCTGAGGCGCTTCCAGGCTATGAGAGTCC 1178
+ + + + +
Db 1286 TTTATGAGATGATGATTTGATGATTTGACCGGCTGAGGCGCTTCCAGGCTATGAGAGTCC 1345
+ + + + +
QY 1179 TGTACACATGACACAGCTGAGGACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1238
+ + + + +
Db 1346 TGTACACATGATGATTTGATGATTTGAGAGTGTGAGATTTTAAAGAGGTCCAGTGTCTTGC 1405
+ + + + +
QY 1239 CBTGGCCCTGACATGAGCGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1298
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Db 1406 TCGG---AAGCCAGGAGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1462
+ + + + +
QY 1299 GGGAGCCCGAGAGCGGCGCTGCTGAGTGGCCCTTGGCGGCGCTGTGCTGCTGCTTGTG 1358
+ + + + +
Db 1463 GTGAACCCCAAGTGGCGGCTGCTGAGTGGCGGCGCTGTGCTGCTGCTGCTGCTGCTTGTG 1522
+ + + + +
QY 1359 CAGTGGCGCTTCTTGTGCGGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1418
+ + + + +
Db 1523 AAGTGGCAATACATTTTGGCGAGACGCTGATGATGATGATGATGATGATGATGATGAT 1582
+ + + + +
QY 1419 GATGAGTGAACAATCTCTGCTGCGGCACTGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 1478
+ + + + +
Db 1583 GATGCTGCAATGATTAACAATCTGAGAGCCTTCCACCTTCTCTA-----1628
+ + + + +
QY 1479 CCGCTGGCCACCTCCACCACTTACAGCTTGGAGCTGAGAGCCAGAGAGCCAGAG 1538
+ + + + +
Db 1629 -----TGGACCCACACCTTATGAT 1648
+ + + + +

Mon Oct 7 15:50:39 2002

us-08-153-397a-1.rni

Page 21

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; IMMEDIATE SOURCE:
; CLONE: Tyro-10
;
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 485..3047
;
US-08-237-401A-19

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Query Match	16.1%	Score 639.8	DB 2	Length 3120
Best Local Similarity	56.5%	Pred. No. 6.9e-142		
Matches 1552; Conservative	0	Mismatches 987	Indels 210	Gaps 11

Oy	348	CTGCTGCTGCTCTTGGTGGCAAGTGGAGATGTGACATATGAAGGACATTTGATCTGGC	407
Db	509	CTGGGTGCTGCTGCTCTTGGTGGCAAGTGGAGATGTGACATATGAAGGACATTTGATCTGGC	407
Oy	408	AAGTCCGCTATGCCCTGGGAGTCCAGAGCCGACATCCACAGAGTATCTCTGCT	467
Db	559	ATATGCCCTATCCCTGGGAGTCTCAGAGGCGACATTCAGATGAGACATCACAGCC	628
Oy	468	TCACACTCTGCTGAGATTCACATCCAGCCGCCACAGCAGGTGGAGAGCAGTACGGG	527
Db	629	TCACACTCTGCTGAGATTCACAGCCGCCACAAATATGGAGGCTGACACTGAAAGAGA	688
Oy	528	GATGGGCGCTGGTCCCGCAGAGGGTCCGTTTCCCAAGGA---GGAGAGTACTTGACG	584
Db	669	GATGGAGCTGTGTCTCTGAGATTTCCAGTCAACCCGATGACCTGAAAGAAATTTCTGCAG	748
Oy	585	GTCGATCTACAACAGCTCAACTGTGGTCTGTGGGACCCAGCAGAGAGCGATCCGGG	644
Db	749	ATTGACTTGCACACCTCAACTTATACCTCTGTGGGACCCAGGGGGCCCATGACGGG	808
Oy	645	GGCCTGGGCAAGAGTCTCCCGAGCTACCGGCTGGTACTCCCGGATGATGCGCGC	704
Db	809	GGTATGGCATTGGAATTTGGACCCATGTACAAATCAACTACAGTGGGATGGCAGTGC	868
Oy	705	TGGATGGCTGGAAAGACCGGTGGGGTCAGAGGATCATCAGGCAATAGAACCTGAG	764
Db	869	TGGATCTCTCTGGCGTAAACCGGCATGGGAAACAGAGTCTGTATGGAAACAGTACCTTAT	928
Oy	765	GGAATGGTGTGAAGAGACTTGGGACCCCGCATGGTTGCCCGACTGGTTCGTTCTACCC	824
Db	929	GATGATTTCTGGAAGAGACTTGGAGCCACCCATGTCGGCAGATTTGTTCGCTTATCCA	988
Oy	825	CGGGCTACCGGGTATGAGTGTCTGTCTGGGGTATGAGCTCTATGGCTTCCTCTGAGG	884
Db	989	GTCACCTACCACTCCATGAAGACGTGTGATGAGGGTGTGACCTTATAGTGTCTGCGCTA	1048
Oy	885	GATGAGACCCGTTTACACGGCCCGCTGGGGGACACAAATGATTTATCTAGG-----	939
Db	1049	GATGGCTTGGTATCTCAACATGCTCCAGCTGGGACACAGATTTGTACTCCCTGGAGGCTC	1108
Oy	940	-CCGCTGATCTCAACGACTCACCTCAATGACGAGCATACGCTGGGGAGTGTGAGTATGG	998
Db	1109	ATCATTTATCTGATATGATTTCTGTCTATGATGAGAGCTGTGGGTACAGCTATGACTAAGG	1168
Oy	999	GCTCTGGCCAGCTGCGAGATGGTGTGTGGGGCTGATGACTTTAGGAAGATCAGAG	1058
Db	1169	---CTAGGCCAGTTGACTGATGATGAGATATCCGGGCTGATGATTTTACCAAGACCATATA	1225
Oy	1059	CTGGGGGTCTGGCCAGGCTATGACTATGTGGATGAGACACACACAGCTTCTCCAGTGGC	1118
Db	1226	TACACAGCTGGGCTGGCTTGTACTCTGCTGGGATGGCGAAGAAAGTCTACCAACGCT	1285
Oy	1119	TATGTGAGATGAGATTTGATTTGACCGCGTGAAGGCGCTTCCAGAGCTATGAGGTCCAC	1178
Db	1286	TTCAATTAGATCATGTTTGAATTTGACCAATCCAGGAATTTTACATGAAAGGTCCAC	1345
Oy	1179	TGTAAACAATGACACAGCTGCGAGGCGCTGTGCCCTGGCGGGGTGGAATGTGCTTCGG	1238
Db	1346	TGCACAACAATGTTTGTCTAAAGGTGTGAAGATTTTTTAAAGAGGTCCAGTACTTCTTGC	1405
Oy	1239	CGTGGCCCTGCCATGGCTGGGAGGGGAGCCCATGCGCCACACACTGAGGGGCAACCTG	1298

Db	1406	TGCG----	AAGCAGGAGATGGGGAACCCAC	TGCTGTCTACTTTCCTTGCTGGACAT	1465
Qy	1299	GGGGAACCCAGAGCCCGGCTGTCA	GTGATGCCCCCTTGCGCGGTGGCTTTCG	1355	
Db	1463	GTGAACCCCAAGGCGCGGTGTGT	CAACGGTGGCCCTCCACACGAAATGGCAGTGCATC	1522	
Qy	1359	CAGTCCCGGTTCTCTTGGCGGGCC	CTGGTACTCTTCAGCGAAATCTCTTCATCTCT	1411	
Db	1523	AAGTGCACAAATCCATTTTGGCC	AGACATGTGATGTCACGAGATCACTTTCCAAATTA	1582	
Qy	1419	GATGTGTGAACAAATTCCTCTCC	GGCACTGGAGAGCCACTTCCCGCAGACCCCTGTGTG	1478	
Db	1583	GATGTGCAAGTATTAACAATCT	GTGAGCCCTTCCACCTCTCTTA-----	1622	
Qy	1479	CCGCTGGCCCACTCCCAACATT	GACAGCTTGGAGCTGGAGCCAGAGCCAGAG	1538	
Db	1629	-----	TGGCACCCACCACTATGAT	1648	
Qy	1539	CCCGTGGCCAGAGCCAGAGGGA	AGCCCACTCTATCGGCTGCTCGTGGCCATC	1598	
Db	1649	CCCACTGTTAAAGTTGATGAT	GATGAGAACACTCCGTGATGTGGTGGCTGATC	1708	
Qy	1599	ATCCGTCTCTGCTGCTCATCAT	TGGCCCTATGCTGGGGGGCTGCACGTGGCGAGCC	1655	
Db	1709	ATCTTCACTCTGTGCTGTGTAT	GTCTGTGGAGGCAAGTTCTGGGAGAAATG	1768	
Qy	1659	CTCAGCAAGGCTGAACGAGGG	GTGTGGAAGAGCTGCAGGTTCACTCTCTGCTCT	1718	
Db	1769	CTAGAAGAGGCTCACGAGAG	ATCTGTGATGATGAATGACAGCTTTCCTGCTCC	1828	
Qy	1719	GGGGACACTATTCCTCATC	ACACCCGCCAGGCTCTAGAGAGCCACCCCTTACAGAG	1778	
Db	1829	AACGAGTCCACACTGTTCAAT	ATMACCCGCTCTC-----ATCAACAATGAAACAGAG	1882	
Qy	1779	CCCGGCTCTGTGGAAATCCG	CCCACTCGCTGCTGTCCTGATGCCCAATGGCTGTG	1838	
Db	1883	TCCACTTACTTATGATCGAAT	TTTCCCTTTCGCTGTACTACAGAGGCACTACAGA	1942	
Qy	1839	CTGCTCTCAATCCAGGCTCA	CCGCTCTTCTGGCACTTACGCCCTGCCCTGAGAGC	1898	
Db	1943	CTGATC-----	-----	1948	
Qy	1899	CCGGGCCCCCCACACCCGCT	GGGCCAAACCCACACCAAGCCCTTACGTGGGAC	1958	
Db	1949	-----	-----CGAAAGCTTCCAGATTGCTCCAGGAGAGAGGA	1983	
Qy	1959	TATATGAGCCTGAGAAAG	CCAGGCGCCGCTTCTGCCCACTCCCAAGAACAGCTC	2018	
Db	1984	GTCAAGGTGCTGTGTGTGT	TGTAAGCCGCGC-----CAGCCAAATGACCTTGAAGGCGTG	2038	
Qy	2019	CCCAATTATGCCAAGGCTGA	CAATTTGTAACCTTCAGAGGCGTCAACGGGGGCAACCTAT	2078	
Db	2039	CCCCACTATGCAAGAACG	CGCAATATGTAATCTCAGAGGATGACAGGTGGCAACACTAC	2098	
Qy	2079	GCTGTGCTGTGACGTGCCCC	AG-----GGCAGTGGGGATGGGCCCCCAGAGTGAATTC	2135	
Db	2099	TGTGTGCTGTGTATMAC	CATGATCTGCTATCGGGAAAGATGTGGCTGTGGAAAGTTTC	2158	
Qy	2136	CCGTGATCTGCACTCGCTT	CAAGAGAAAGCTTGGGAGAGGCAATTTTGGGAGGTGCAC	2195	
Db	2159	CCCAAGAACTGTGGCTTCA	AGGAAAGCTGGGAAAGGCCAATTTTGGGGAGGTTCTAT	2218	
Qy	2196	CTGTGTGAGTGCACAGCC	CTCAAGATCTGTGACGTTGATTTTCCCTTAATGTGCT	2255	
Db	2219	CTCTGTGAAGTGAAGGA	ATGGAATAATTCAAAGACAAAGATTTTGTCACTGATGTCTGT	2278	
Qy	2256	AAGGACACCTTGTGCTGT	GTGATGTGTCAGATCTTACGGCCAGATGCCACCAAGATGCC	2315	
Db	2279	GCCACACAGCTGTCTGTG	GTGGCGCGTGAAGAAATGCTCCGAGCAGATGCCAACAAAGATG--	2336	
Qy	2316	AGCTTCTCTTGTTC	CCAGGAATGATTTCTGGAAGAGGTGAAGATCATGTCCAGGCTC	2375	

US-08-441-104A-4
Sequence 4, Application US/08441104A
Patent No. 5891650
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Sadick, Michael D.
APPLICANT: Shelton, David L.
APPLICANT: Wong, Wal Lee Tan
TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,104A
FILING DATE: 15-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/286305
FILING DATE: 05-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 854CIP1C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2820 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-441-104A-4

Query Match	4.6%	Score 182.2	DB 2	Length 2820
Best Local Similarity	59.9%	Pred. No. 9.3e-34		
Matches 348	Conservative 0	Mismatches 218	Indels 15	Gaps 2
QY 2332	TCCTTTGTTCTCCAGAGATGATTTCTCTGAAGAGTGGAAGATCATGTGAGGCTCAAGGAC	2381		
Db 1994	TCCGAGACTGTCTGGCAAGACTTTCACAGTGTGAGGCTGAGCTGCTCACCATTCTGACAGCAC	2053		
QY 2382	CCCAACATCATTTGGCTCTGGGCGTGTGTGACGAGACGCCCTCTGCATGATTAATCT	2441		
Db 2054	CAGGACATCTGGCGCTTCTTGGCGCTGTGCACCGAGGCGCGGCCCTGGTATGATGTCCTT	2113		
QY 2442	GACTACATGAGGAACGGGAGCCTCAACAGATTCCTCATGCTGCCACCTAGGAGGACAG	2501		
Db 2114	GAGTATATGGGGCAACGGGAGCCTCAACCGCTTCTCCCATCCCATGAGACTGATGCCAA-	2172		
QY 2502	GCACCCGAGGGGCCCTCTGGGGAGAGGGCAGCTGCGCAGGGGAGCCACCATCATGATACCA	2561		

Db	2173	-----GCTGCGGCTGGTGGGGAGATGTGGCTCCAGGGCCCCCTGGGTGTGGG	2221
QY	2552	ATGTCGTCGATGTGGACGCCAGATGCCCTCCGGCATGCTATCTGGCACA	2621
Db	2222	CAGCTGGCGCGCGTGGCTACCCAGATGTGCTCGGGGATGTGTACCTGGCGGCTGCAT	2281
QY	2622	TTTGTACATCGGGAACCTGGGCCACGGCGAACTGCTTGTGTGGGAAAATTTCA	2681
Db	2282	TTTGTGCACGGGACCTGGGCCACACGCAATGTCGTGTGTGGGACAGACTGGTGTCAAG	2341
QY	2682	ATCGACACTTTTGGCATGACCCGGAACCTTATGTGTGGGACATTAACGTTGTGACGAGC	2741
Db	2342	ATTGTGTATTTTGGCAGTACAGAGGATATCTAAAGACCCGATATTAACGTGTGGAGGC	2401
QY	2742	CGGCGAGTGTCTCCCATCCGCTGGATGTGGCTGGGATGCATCCTCATGGGAAAGTTTACG	2801
Db	2402	CGCACCATGTGCGCCATTCTCGTGGATGCGCCCGACGAGCATCCTGTACCGTAAAGTTTACC	2461
QY	2802	ACATCGAGTACACGTGTGGGCTTTGTGTGTGACCCCTGTGGGAGTGTCTGTATGAGG	2861
Db	2462	ACCGAGAGCGACAGTGTGAACTTCGGCGGTGTGTCTGTGGAGATTTCACTACGCGCAAG	2521
QY	2862	GCCCGACCCCTTTGGGACGTACACGACGAGAGAGGTATGGA 2902	
Db	2522	---CAGCCCTGTGATACAGCTCTTCAACACAGGAGCATGGA 2559	

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Search completed: October 5, 2002, 20:20:09
Job time: 22867 sec
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